alternatives are considered for managing solid waste.

FOR FURTHER INFORMATION CONTACT: Questions, comments, or requests for copies of the FEIS should be addressed to Mr. Randall W. Hanna at (206) 967–5646; or by writing to: Commander, Headquarters I Corps and Fort Lewis, ATTN: AFZHDEQ (Mr. Randall Hanna), Fort Lewis, Washington 98433–5000.

DATES: Comments on the FEIS should be received by June 12, 1995 to ensure due consideration.

SUPPLEMENTARY INFORMATION: Alternatives considered: Alternative 1—recycle 35% of the annual municipal solid waste (MSW); complete construction of a heat-recovery incinerator; and construct and dispose of incinerator ash in an on-site ash cell. Alternative 2 (Preferred Alternative)—recycle 50% of the annual MSW; complete construction of a heat-recovery incinerator; and dispose of the incinerator ash off site. Alternative 3—Demolish and salvage incinerator; increase recycling of annual MSW to 35% or greater; dispose of all non-recycled MSW in on-site landfill. Alternative 4 (No Action)—demolish and salvage incinerator; recycle 25% of the annual MSW; dispose of all non-recycled MSW in on-site landfill cells. Steam and hot water produced as a byproduct of the incinerator would be utilized to augment the existing Fort Lewis heating system.

The incinerator would enable Fort Lewis to retire two existing boiler plants that supply high temperature hot water heat, thereby conserving fossil fuel and heating costs. Also, Fort Lewis would retire one incinerator used to destroy classified documents and procedural waste from Madigan Army Medical Center. Operation of the incinerator would extend the life of the Fort Lewis landfill by about 25 year.

Gregory D. Showalter,

Army Federal Register Liaison Officer.

[FR Doc. 95–11640 Filed 5–10–95; 8:45 am]

BILLING CODE 3710–08–M

Availability of U.S. Patents for Licensing

AGENCY: U.S. Army Research Laboratory, Physical Sciences Directorate, and U.S. Army Communications-Electronics Command.

ACTION: Notice of availability.

SUMMARY: In accordance with 37 CFR 404.6 announcement is made of the availability of the following U.S. patents for non-exclusive, exclusive or partially exclusive licensing. All of the listed patents have been assigned to the United States of America as represented by the Secretary of the Army, Washington, D.C.

These patents cover a wide variety of technical arts including permanent magnet designs for various applications, power sources, phased array antennae, microstrip devices and applications, varying types resonators and oscillators for different applications, as well as many other different technical arts.

Under the authority of section 11(a)(2) of the Federal Technology Transfer Act of 1986 (Public Law 99–502) and Section 207 of Title 35, United States Code, the Department of the Army as represented by the Army Research Laboratory, Physical Sciences Directorate, and the Communications-Electronics Command wish to license the U.S. patents listed below in a non-exclusive, exclusive or partially exclusive manner to any party interested in manufacturing, using, and/or selling devices or processes covered by these patents.

TITLE: MICROSTRIP FERRITE CIRCULATOR FOR SUBSTRATE TRANSITIONING
INVENTOR(S): Richard A. Stern, Richard W. Babbitt
PATENT NO: 5,177,456—Issued 01/05/93

TITLE: OPTICALLY ACTIVATED HYBRID PULSER WITH PATTERNED RADIATING ELEMENT
INVENTOR(S): Anderson H. Kim, Maurice Weiner, Louis J. Jasper, Jr., Thomas E. Koscica, Robert J. Youmans
PATENT NO: 5,177,486—Issued 01/05/93

TITLE: MICROSTRIP HIGH REVERSE LOSS ISOLATOR
INVENTOR(S): Richard A. Stern, Richard W. Babbitt
PATENT NO: 5,180,997—Issued 01/05/93

TITLE: SLOTTED MICROSTRIP ELECTRONIC SCAN ANTENNA
INVENTOR(S): Richard A. Stern, Richard W. Babbitt
PATENT NO: 5,189,433—Issued 02/23/93

TITLE: WIDE-RANGE MULTICOLOR IR DETECTOR
INVENTOR(S): Doran D. Smith, Mitra Dutta, Kwong-Kit Choi
PATENT NO: 5,198,659—Issued 03/30/93

TITLE: OPTICAL MODULATOR BASED ON GAMMA-X VALLEY MIXING IN GAAS-ALAS
INVENTOR(S): Mitra Dutta
PATENT NO: 5,208,695—Issued 05/04/93

TITLE: PLANAR FERRO-ELECTRIC PHASE
INVENTOR(S): Richard W. Babbitt, William C. Drach, Thomas E. Koscica
PATENT NO: 5,212,463—Issued 05/18/93

TITLE: COLOR NIGHT VISION CAMERA SYSTEM
INVENTOR(S): Yue T. Chiu, Philip F. Krzyzkowski, Richard P. Tuttle
PATENT NO: 5,214,503—Issued 05/25/93

TITLE: QUARTER WAVE HIGH VOLTAGE DC BLOCK COVERED WITH A POLYURETHANE INSULATING LAYER
INVENTOR(S): Richard W. Babbitt, William C. Drach, Thomas E. Koscica
PATENT NO: 5,216,395—Issued 06/01/93

TITLE: MAGNETIC FIELD SOURCES FOR PRODUCING HIGH- INTENSITY VARIABLE FIELDS
INVENTOR(S): Herbert A. Leupold
PATENT NO: 5,216,400—Issued 06/01/93

TITLE: MAGNETIC FIELD SOURCES HAVING NON-DISTORTING ACCESS PORTS
INVENTOR(S): Herbert A. Leupold
PATENT NO: 5,216,401—Issued 06/01/93

TITLE: METHOD OF TREATING A GALLIUM ARSENIDE SURFACE AND GALLIUM ARSENIDE SURFACE SO TREATED
INVENTOR(S): Gary J. Gerardi, Edward H. Poindexter, Fang Rong
PATENT NO: 5,219,797—Issued 06/15/93

TITLE: OPTICALLY CONTROLLED RESONANT TUNNEL DIODE OSCILLATOR
INVENTOR(S): James F. Harvey, Robert A. Lux, Thomas P. Higgins, Arthur Paolella, Dana J. Sturzebecher
PATENT NO: 5,223,802—Issued 06/29/93

TITLE: ANTI-EXPLOITATION METHOD AND APPARATUS FOR CONTROLLING AIRCRAFT IFF
INVENTOR(S): Sidney J. Grossman
PATENT NO: 5,223,837—Issued 06/29/93

TITLE: RADAR IDENTIFICATION
INVENTOR(S): Sidney J. Grossman
PATENT NO: 5,223,839—Issued 06/29/93

TITLE: ULTRA-WIDEBAND HIGH POWER PHOTON-TRIGGERED FREQUENCY INDEPENDENT RADIATOR
INVENTOR(S): Anderson H. Kim, Leo D. DiDomenico, Maurice Weiner, Louis J. Jasper, Jr., Robert J. Youmans, Thomas E. Koscica
PATENT NO: 5,227,621—Issued 07/13/93

TITLE: LOW-COST, LOW-NOISE, TEMPERATURE-STABLE, TUNABLE DIELECTRIC RESONATOR OCILLATOR
INVENTOR(S): Muhammad A. Mizan, Raymond C. McGowan
PATENT NO: 5,233,319—Issued 08/03/93

TITLE: FLEXIBLE SOLID ELECTROLYTE FOR USE IN SOLID STATE CELLS AND SOLID STATE CELL INCLUDING SAID FLEXIBLE SOLID ELECTROLYTE
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO: 5,238,759—Issued 08/24/93

TITLE: SAW TRANSDUCER WITH COPLANAR WAVEGUIDE TRANSITION
INVENTOR(S): Elio A. Mariani
PATENT NO: 5,239,517—Issued 08/24/93

TITLE: FREQUENCY HOPPING SIGNAL INTERCEPTOR
INVENTOR(S): Charles E. Konig
PATENT NO: 5,239,555—Issued 08/24/93

TITLE: MICROSTRIP ELECTRONIC SCAN ANTENNA ARRAY
INVENTOR(S): Richard A. Stern and Richard W. Babbitt
PATENT NO: 5,243,354—Issued 09/07/93

TITLE: PERIODIC PERMANENT MAGNET STRUCTURE FOR ACCELERATING CHARGED PARTICLES
INVENTOR(S): Herbert A. Leupold
PATENT NO: 5,245,621—Issued 09/14/93

TITLE: DETECTION AND CHARACTERIZATION OF LPI SIGNALS
INVENTOR(S): Charles E. Konig
PATENT NO: 5,247,308—Issued 09/21/93

TITLE: METHOD AND APPARATUS FOR GROWING SEMICONDUCTORS HETEROSTRUCTURES
INVENTOR(S): Kenneth A. Jones, Joseph R. Flemish, Alok Tripathi, Vladimir S. Ban
PATENT NO: 5,254,210—Issued 10/19/93

TITLE: FABRICATION TECHNIQUE FOR SILICON MICROCLUSTERS USING PULSED ELECTRICAL POWER
INVENTOR(S): Clarence G. Thornton, James F. Harvey, Robert A. Lux, Robert J. Zeto, Hardev Singh, Maurice Weiner, Terence Burke, Lawrence E. Kingsley
PATENT NO: 5,256,339—Issued 10/26/93

TITLE: METHOD OF GROWING DEVICE QUALITY INP ONTO AN INP SUBSTRATE USING AN ORGANOMETALLIC PRECURSOR IN A HOT WALL REACTOR
INVENTOR(S): Joseph R. Flemish, Kenneth A. Jones, Vladimir S. Ban
PATENT NO: 5,256,595—Issued 10/26/93

TITLE: CIRCUIT FOR ACCURATELY MEASURING PHASE RELATIONSHIP OF BPSK SIGNALS
INVENTOR(S): William J. Skudera, Jr., Vasilios Alevizakos
PATENT NO: 5,257,284—Issued 10/26/93

TITLE: DC POWER SUPPLY
INVENTOR(S): Raymond J. Pizzi, John M. O'Meara
PATENT NO: 5,258,701—Issued 11/02/93

TITLE: MICROSTRIP TRANSMISSION LINE SUBSTRATE TO SUBSTRATE TRANSITION
INVENTOR(S): Richard A. Stern, Richard W. Babbitt
PATENT NO: 5,258,730—Issued 11/02/93

TITLE: REAL-DATA FFT BUFFER
INVENTOR(S): Robert R. Leyendecker
PATENT NO: 5,260,613—Issued 11/09/93

TITLE: OPTICALLY ACTIVATED WAFER-SCALE PULSER WITH ALGAAS EPITAXIAL LAYER
INVENTOR(S): Anderson H. Kim, Robert J. Youmans, Maurice Weiner, Robert J. Zeto, Louis J. Jasper, Jr.
PATENT NO: 5,262,657—Issued 11/16/93

TITLE: METHOD OF MAKING A FLEXIBLE SOLID ELECTROLYTE FOR USE IN SOLID STATE CELLS
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO: 5,264,308—Issued 11/23/93

TITLE: METAL-ENCAPSULATED QUANTUM WIRE FOR ENHANCED CHARGE TRANSPORT
INVENTOR(S): Mitra Dutta, Harold L. Grubin, Gerald J. Iafrate, Ki Wook Kim, Michael A. Stroscio
PATENT NO: 5,264,711—Issued 11/23/93

TITLE: IONICALLY CONDUCTIVE BILAYER SOLID ELECTROLYTE AND ELECTROCHEMICAL CELL INCLUDING THE ELECTROLYTE
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO: 5,273,846—Issued 12/28/93

TITLE: SOLID STATE ELECTROLYTE FOR USE IN A HIGH TEMPERATURE RECHARGEABLE LITHIUM ELECTROCHEMICAL CELL AND HIGH TEMPERATURE RECHARGEABLE LITHIUM ELECTROCHEMICAL CELL INCLUDING THE SOLID STATE ELECTROLYTE
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO: 5,273,847—Issued 12/28/93

TITLE: OPTIC MODULATOR WITH UNIAXIAL STRESS
INVENTOR(S): Mitra Dutta, Hongen Shen, Jagadeesh Pamulapati
PATENT NO: 5,274,247—Issued 12/28/93

TITLE: HOLLOW CYLINDRICAL MAGNETIC FLUX SOURCE FOR IMAGE DETECTORS
INVENTOR(S): Herbert A. Leupold
PATENT NO: 5,274,309—Issued 12/28/93

TITLE: THERMAL CELL INCLUDING A SOLID STATE ELECTROLYTE
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO.: 5,278,004—Issued 01/11/94

TITLE: QUANTUM COLLECTOR HOT-ELECTRON TRANSISTOR
INVENTOR(S): Kwong-Kit Choi
PATENT NO.: 5,278,427—Issued 01/11/94

TITLE: SIGNAL AMPLIFICATION USING OPTICALLY ACTIVATED BULK SEMI-INSULATING GAAS
INVENTOR(S): Anderson H. Kim, Maurice Weiner, Robert J. Youmans, Robert A. Pastore, Jr.
PATENT NO.: 5,278,854—Issued 01/11/94

TITLE: TAPERED RADIAL TRANSMISSION LINE FOR AN OPTICALLY ACTIVATED HYBRID PULSER
INVENTOR(S): Anderson H. Kim, Maurice Weiner, Louis J. Jasper, Jr., Robert J. Youmans
PATENT NO.: 5,280,168—Issued 01/18/94

TITLE: PERMANENT MAGNET STRUCTURE FOR USE IN ELECTRIC MACHINERY
INVENTOR(S): Herbert A. Leupold, Ernest Potenziani, II
PATENT NO.: 5,280,209—Issued 01/18/94

TITLE: CIRCULAR POLARIZATION SELECTIVE SURFACE MADE OF RESONANT SPIRALS
INVENTOR(S): Gilbert A. Morin
PATENT NO.: 5,280,298—Issued 01/18/94

TITLE: HIGH POWER PHOTON TRIGGERED ULTRA-WIDEBAND RF RADIATOR WITH OPPOSITE APERTURES
INVENTOR(S): Anderson H. Kim, Maurice Weiner, Louis J. Jasper, Jr., Robert J. Youmans

PATENT NO.: 5,283,584—Issued 02/01/94

TITLE: UNIDIRECTIONAL SURFACE ACOUSTIC WAVE TRANSDUCER
INVENTOR(S): Elio A. Mariani
PATENT NO.: 5,289,073—Issued 02/22/94

TITLE: ALGAAS/GAAS THYRISTOR
INVENTOR(S): Terence Burke, Maurice Weiner, Jian H. Zhao
PATENT NO.: 5,291,041—Issued 03/01/94

TITLE: TRANSITION DETECTION CIRCUIT FOR PSK SIGNALS USING THE SAW CHIRP-Z ALGORITHM
INVENTOR(S): William J. Skudera, Jr., Charles E. Konig
PATENT NO.: 5,295,151—Issued 03/15/94

TITLE: METHOD OF PREPARING AN IMPREGNATED CATHODE WITH AN ENHANCED THERMIONIC EMISSION FROM A POROUS BILLET AND CATHODE SO PREPARED
INVENTOR(S): Louis E. Branovich, Donald W. Eckart
PATENT NO.: 5,298,830—Issued 03/29/94

TITLE: HIGHLY CONDUCTIVE ELECTROLYTE FOR USE IN AN AMBIENT TEMPERATURE RECHARGEABLE LITHIUM BATTERY AND AMBIENT TEMPERATURE RECHARGEABLE LITHIUM BATTERY INCLUDING SAID ELECTROLYTE
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO.: 5,300,376—Issued 04/05/94

TITLE: ABNORMAL BATTERY CELL VOLTAGE DETECTION CIRCUITRY
INVENTOR(S): Lawrence R. Groehl
PATENT NO.: 5,302,902—Issued 04/12/94

TITLE: SUBHARMONIC OPTICALLY INJECTION LOCKED OSCILLATOR
INVENTOR(S): Dana J. Sturzebecher, Thomas P. Higgins, Afshin S. Daryoush
PATENT NO.: 5,302,918—Issued 04/12/94

TITLE: METHOD FOR MIXING OPTICAL AND MICROWAVE SIGNALS USING A GAAS MESFET
INVENTOR(S): Steven A. Malone, Arthur C. Paolella
PATENT NO.: 5,304,794—Issued 04/19/94

TITLE: CAPACITOR WITH INCREASED ELECTRICAL BREAKDOWN STRENGTH AND METHOD OF FORMING THE SAME
INVENTOR(S): Michael Binder, Robert J. Mammone, Bernard Lavene
PATENT NO.: 5,305,178—Issued 04/19/94

TITLE: PLANAR DIGITAL FERROELECTRIC PHASE SHIFTER
INVENTOR(S): Thomas E. Koscica, Richard W. Babbitt, William C. Drach
PATENT NO.: 5,307,033—Issued 04/26/94

TITLE: HIGH-POWER ELECTRICAL MACHINERY
INVENTOR(S): Herbert A. Leupold, John T. Rehberg
PATENT NO.: 5,309,055—Issued 05/03/94

TITLE: SUPERCONDUCTING RING RESONATOR MICROWAVE OSCILLATOR FOR OPERATING AS A REMOTE TEMPERATURE SENSOR
INVENTOR(S): Roland Cadotte, Jr., Michael Cummings, Adam Rachlin, Richard W. Babbitt
PATENT NO.: 5,309,117—Issued 05/03/94

TITLE: PLANAR TUNABLE YIG FILTER
INVENTOR(S): Elio A. Mariani
PATENT NO.: 5,309,127—Issued 05/03/94

TITLE: HIGH TEMPERATURE, RECHARGEABLE SOLID ELECTROLYTE ELECTROCHEMICAL CELL
INVENTOR(S): Edward J. Plichta, Wishvender K. Behl
PATENT NO.: 5,312,623—Issued 05/17/94

TITLE: ELECTRONICALLY CONTROLLED FREQUENCY AGILE IMPULSE DEVICE
INVENTOR(S): Anderson H. Kim, Maurice Weiner, Louis J. Jasper, Jr., Robert J. Youmans, Lawrence E. Kingsley
PATENT NO.: 5,313,056—Issued 05/17/94

TITLE: SWEEP JAMMER IDENTIFICATION PROCESS
INVENTOR(S): Paul A. Michaels, Jr., Ralph J. Romano, Francis Giordano
PATENT NO.: 5,313,209—Issued 05/17/94

TITLE: HIGH POWER ELECTRICAL MACHINERY WITH TOROIDAL PERMANENT MAGNETS
INVENTOR(S): Herbert A. Leupold
PATENT NO.: 5,317,228—Issued 05/31/94

TITLE: SITUATION AWARENESS DISPLAY DEVICE
INVENTOR(S): Paul F. Sass
PATENT NO.: 5,317,321—Issued 05/31/94

TITLE: PULSE SHARPENING USING AN OPTICAL PULSE
INVENTOR(S): Anderson H. Kim, Maurice Weiner, Louis J. Jasper, Jr., Robert J. Youmans
PATENT NO.: 5,319,218—Issued 06/07/94

TITLE: TUBULAR STRUCTURE HAVING TRANSVERSE MAGNETIC FIELD WITH GRADIENT
INVENTOR(S): Herbert A. Leupold
PATENT NO.: 5,319,339—Issued 06/07/94

TITLE: BI-CHAMBERED MAGNETIC IGLOO
INVENTOR(S): Herbert A. Leupold
PATENT NO.: 5,319,340—Issued 06/07/94

TITLE: MULTI-BAND MICROSTRIP ANTENNA
INVENTOR(S): Vahakn Nalbandian, Choon S. Lee
PATENT NO.: 5,319,378—Issued 06/07/94

TITLE: CIRCUIT FOR MEASURING CAPACITANCE AT HIGH DC BIAS VOLTAGE
INVENTOR(S): Thomas E. Koscica, Richard W. Babbitt
PATENT NO.: 5,321,367—Issued 06/14/94

TITLE: ALL OPTICAL MULTIPLE QUANTUM WELL OPTICAL MODULATOR
INVENTOR(S): Mitra Dutta, Hongen Shen
PATENT NO.: 5,323,019—Issued 06/21/94

TITLE: FIELD EFFECT REAL SPACE TRANSISTOR
INVENTOR(S): Thomas E. Koscica, Jian H. Zhao
PATENT NO.: 5,323,030—Issued 06/21/94

TITLE: DUAL-CHANNEL FLEXURAL ACOUSTIC WAVE CHEMICAL SENSOR
INVENTOR(S): Raymond C. McGowan, Elio A. Mariani
PATENT NO.: 5,323,636—Issued 06/28/94

TITLE: LIGHT EMITTING DIODE WITH ELECTRO-CHEMICALLY ETCHED POROUS SILICON
INVENTOR(S): Michael F. Tompsett, Raphael Tsu
PATENT NO.: 5,324,965—Issued 06/28/94

TITLE: MULTICOLOR PHOTODETECTOR
INVENTOR(S): Kwong-Kit Choi
PATENT NO.: RE34,649—Issued 06/28/94

TITLE: SURFACE ACOUSTIC WAVE (SAW) CHEMICAL MULTI-SENSOR ARRAY
INVENTOR(S): Elio A. Mariani and William J. Skudera, Jr.
PATENT NO.: 5,325,704—Issued 07/05/94

TITLE: TREATED POROUS CARBON BLACK CATHODE AND LITHIUM BASED, NONAQUEOUS ELECTROLYTE CELL INCLUDING SAID TREATED CATHODE

INVENTOR(S): Michael Binder, Robert J. Mammone, William L. Wade, Jr.
PATENT NO.: 5,328,782—Issued 07/12/94

TITLE: MICROWAVE FERROELECTRIC PHASE SHIFTERS AND METHODS FOR FABRICATING
INVENTOR(S): Richard W. Babbitt, Thomas E. Koscica, William C. Drach
PATENT NO.: 5,334,958—Issued 08/02/94

TITLE: METHOD OF MAKING CYLINDRICAL AND SPHERICAL PERMANENT MAGNET STRUCTURES
INVENTOR(S): Herbert A. Leupold, George F. McLane
PATENT NO.: 5,337,472—Issued 08/16/94

TITLE: MAGNETIC FLUX-ENHANCED CONTROL LINE FOR SUPER-CONDUCTING FLUX FLOW TRANSISTOR
INVENTOR(S): William Wilber, Roland Cadotte, Jr., Adam Rachlin, Michael Cummings
PATENT NO.: 5,338,94—Issued 08/16/94

TITLE: X-BAND BIPOLAR JUNCTION TRANSISTOR AMPLIFIER
INVENTOR(S): Muhammad A. Mizan, Raymond C. McGowan
PATENT NO.: 5,339,047—Issued 08/16/94

TITLE: INSTANT-ON MICROWAVE OSCILLATORS USING RESONANT TUNNELING DIODE
INVENTOR(S): Robert A. Lux, Thomas E. Koscica, James F. Harvey
PATENT NO.: 5,339,053—Issued 08/16/94

TITLE: HIGH CRITICAL TEMPERATURE SUPERCONDUCTOR (HTSC) INCLUDING A RARE EARTH ALKALI METAL TITANATE AS AN OXYGEN DIFFUSION BARRIER IN THE DEVICE
INVENTOR(S): Arthur Tauber, Steven C. Tidrow
PATENT NO.: 5,340,799—Issued 08/23/94

TITLE: METHOD OF MAKING A SELECTIVE COMPOSITIONAL DISORDERING OF A GAAS BASED HETEROSTRUCTURE BY THE IN-DIFFUSION OF AU THROUGH A SINGLE CRYSTAL, EPITAXIALLY GROWN GE FILM
INVENTOR(S): Kenneth A. Jones, Howard S. Lee
PATENT NO.: 5,346,856—Issued 09/13/94

TITLE: MULTITERMINAL LATERAL S-SHAPED NEGATIVE DIFFERENTIAL CONDUCTANCE DEVICE
INVENTOR(S): Martin N. Wybourne, Doran D. Smith, Stephen M. Goodnick, Jong-Ching Wu Chris Berven
PATENT NO.: 5,347,141—Issued 09/13/94

TITLE: MODES OF INFRARED HOT ELECTRON TRANSISTOR OPERATION IN INFRARED DETECTION
INVENTOR(S): Kwong-Kit Choi
PATENT NO.: 5,347,142—Issued 09/13/94

TITLE: OPTICALLY CONTROLLED OSCILLATOR
INVENTOR(S): Thomas P. Higgins, Dana J. Sturzebecher
PATENT NO.: 5,347,235—Issued 09/13/94

TITLE: TUBULAR STRUCTURE HAVING TRANSVERSE MAGNETIC FIELD WITH GRADIENT
INVENTOR(S): Herbert A. Leupold
PATENT NO.: 5,347,254—Issued 09/13/94

TITLE: PERMANENT MAGNET STRUCTURE FOR USE IN ELECTRIC MACHINERY
INVENTORS(S): Herbert A. Leupold, Ernest Potenziani, II
PATENT NO.: 5,349,258—Issued 09/20/94

TITLE: DOUBLE BARRIER RESONANT PROPAGATION FILTER
INVENTORS(S): James F. Harvey, Robert A. Lux
PATENT NO.: 5,350,931—Issued 09/27/94

TITLE: ULTRA-WIDEBAND HIGH POWER PHOTON TRIGGERED FREQUENCY INDEPENDENT RADIATOR WITH EQUIANGULAR SPIRAL ANTENNA
INVENTORS(S): Anderson H. Kim, Leo D. DiDomenico, Maurice Weiner, Louis J. Jasper, Jr., Robert J. Youmans
PATENT NO.: 5,351,063—Issued 09/27/94

TITLE: APPARATUS FOR REAL TIME INTERFERENCE SIGNAL REJECTION
INVENTORS(S): Stuart D. Albert, William J. Skudera, Jr.
PATENT NO.: 5,355,091—Issued 10/11/94

TITLE: TREATED SOLID POLYMER ELECTROLYTE MEMBRANE FOR USE IN A FUEL CELL AND FUEL CELL INCLUDING THE TREATED SOLID POLYMER ELECTROLYTE MEMBRANE
INVENTORS(S): Michael Binder, Robert J. Mammone
PATENT NO.: 5,372,896—Issued 12/13/94

TITLE: UNIVERSAL INEXPENSIVE BATTERY STATE-OF-CHARGE INDICATOR
INVENTORS(S): Terrill Atwater, Richard M. Dratler
PATENT NO.: 5,372,898—Issued 12/13/94

TITLE: DIRECT OPTICAL INJECTION LOCKED FET OSCILLATOR
INVENTORS(S): Thomas P. Higgins, Dana J. Sturzebecher, Arthur Paolella
PATENT NO.: 5,373,261—Issued 12/13/94

TITLE: MICROSTRIP DIRECTIONAL COUPLER
INVENTORS(S): Erik H. Lenzing, Roland Cadotte, Jr., Michael Cummings
PATENT NO.: 5,373,266—Issued 12/13/94

TITLE: QUANTUM WELL PHONON MODULATOR
INVENTORS(S): Mitra Dutta, Gerald J. Iafrate, Ki W. Kim, Michael A. Stroscio
PATENT NO.: 5,374,831—Issued 12/20/94

TITLE: SIGNAL MIXING DEVICE UTILIZING A SUPERCONDUCTING STRIP LINE WITH SUPERCONDUCTING WEAK LINKS AND TWO CONTROL LINES
INVENTORS(S): Michael Cummings, Roland Cadotte, Jr., Adam Rachlin, Richard W. Babbitt
PATENT NO.: 5,378,94—Issued 01/03/95

TITLE: UNIAXIALLY STRAINED SEMICONDUCTOR MULTIPLE QUANTUM WELL DEVICE USING DIRECTION-DEPENDENT THERMAL EXPANSION COEFFICIENTS IN A HOST SUBSTRATE
INVENTORS(S): Arthur Ballato, John A. Kosinski, Mitra Dutta, Hongen Shen, Yicheng Lu, Jagadeesh Pamulapati
PATENT NO.: 5,381,260—Issued 01/10/95

TITLE: MONOLITHIC PHOTOCONDUCTIVE BIPOLAR PULSAR UTILIZING A RADIAL TRANSMISSION LINE
INVENTORS(S): Anderson H. Kim, Robert J. Youmans, Maurice Weiner, Lawrence E. Kingsley
PATENT NO.: 5,382,788—Issued 01/17/95

TITLE: FIELD AUGMENTED PERMANENT MAGNET STRUCTURES
INVENTORS(S): Herbert A. Leupold, Anup Tilak
PATENT NO.: 5,382,936—Issued 01/17/95

TITLE: FEEDBACK CIRCUITRY FOR RECREATING CW COMPONENTS FROM CHIRP-Z PULSES
INVENTORS(S): William J. Skudera, Jr.
PATENT NO.: 5,383,222—Issued 01/17/95

TITLE: VOLTAGE-TUNABLE, MULTICOLOR INFRARED DETECTORS

INVENTORS(S): Kwong-Kit Choi
PATENT NO.: 5,384,469—Issued 01/24/95
TITLE: SEQUENTIAL CIRCUITRY FOR RECREATING CW COMPONENTS FROM CHIRP-Z PULSES
INVENTOR(S): William J. Skudera, Jr.
PATENT NO.: 5,384,545—Issued 01/24/95
TITLE: HIGH TcSUPERCONDUCTING MICROSTRIP PHASE SHIFTER HAVING TAPERED OPTICAL BEAM PATTERN REGIONS
INVENTOR(S): Erik H. Lenzing, Charles D. Hechtman
PATENT NO.: 5,385,883—Issued 01/31/95
TITLE: POLARIZATION-SENSITIVE SHEAR WAVE TRANSDUCER
INVENTOR(S): John A. Kosinski
PATENT NO.: 5,386,168—Issued 01/31/95
TITLE: OPTICAL MODULATOR BASED ON PIEZOELECTRICALLY DRIVEN ANISOTROPIC OPTICAL ABSORPTION
INVENTOR(S): Gerald J. Iafrate, Mitra Dutta, Hongen Shen, Michael A. Stroscio, Arthur Ballato
PATENT NO.: 5,387,997—Issued 02/07/95
TITLE: MODIFIED CHIRP-Z PULSE DETECTOR
INVENTOR(S): William J. Skudera, Jr.
PATENT NO.: 5,388,121—Issued 02/07/95
TITLE: LIGHT-WEIGHT MAGNETIC FIELD SOURCES HAVING DISTORTION-FREE ACCESS PORTS
INVENTOR(S): Herbert A. Leupold
PATENT NO.: 5,396,209—Issued 03/07/95
TITLE: METHOD OF FORMING AN IMPROVED TAPERED WAVEGUIDE BY SELECTIVELY IRRADIATING A VISCOUS ADHESIVE RESIN PREPOLYMER WITH ULTRA-VIOLET LIGHT
INVENTOR(S): Steven A. Malone, Arthur Paolella, Dana J. Sturzebecher
PATENT NO.: 5,402,511—Issued 03/28/95

FOR FURTHER INFORMATION OR COPIES OF THE PATENTS LISTED, CONTACT: Mr. William H. Anderson, United States Army Communications-Electronics Command, ATTN: AMSEL-LG-L, Fort Monmouth, New Jersey 07703–5010, or phone (908) 532–4112.

Gregory D. Showalter,

Army Federal Register Liaison Officer.

[FR Doc. 95–11571 Filed 5–10–95; 8:45 am]

BILLING CODE 3710–08–P

Corps of Engineers

Availability of Patent Applications for Exclusive, Partially Exclusive, or Nonexclusive Licenses

AGENCY: Department of the Army, DOD.

ACTION: Notice of availability.

SUMMARY: In accordance with 37 CFR 404.7(a)(1)(i), the Department of the Army, U.S. Army Corps of Engineers announces the general availability of technology for licensing (U.S. and foreign patents pending). Foreign patents applied for include Japan, South Korea, South Africa, Taiwan, Mexico, Indonesia, Malaysia, U.K. including Hong Kong, Spain, Portugal, Sweden, Ireland, Finland, Norway, The Netherlands, Belgium, Denmark, Germany, France, Canada, Australia, Brazil, New Zealand, China, Russia, and Israel.

DATES: Proposals for an exclusive or partially exclusive license must be submitted within 120 days after the publication of this notice.

FOR FURTHER INFORMATION CONTACT: Mr. Phillip Stewart, ATTN: CEWES–FV–C, (601) 634–4113, fax (601) 634–4180, Internet stewarp@exl.wes.army.mil or, for technical information, Mr. C. E. Chatham, ATTN: CEWES–CW, (601) 634–2460, FAX (601) 634–3433, Internet chatham@coafsl.wes.army.mil, U.S. Army Engineer Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS 39180–6199.

SUPPLEMENTARY INFORMATION: This technology concerns a concrete armor unit for protecting coastal structures and shoreline embankments from erosion caused by waves and currents. The object of the invention is to provide a concrete block which, when placed in an interlocking matrix, has superior stability, strength, and wave energy dissipation and exhibits improved economics through reduced armor layer thickness and increased armor layer porosity. The CORE–LOC shape is composed of three members of generally octagonal shape, symmetrically tapered toward the outer ends. The three members are configures in an ''H'' pattern such that two outer members are parallel and the third member is perpendicular and midway between the two outer members. The units interlock when placed randomly on a rubble slope to form an armor layer matrix. The shape of the unit is such that it will, in general, not require steel reinforcement. A large number of model tests of rubble mound structures armored with CORE–LOC have been conducted at the U.S. Army Engineer Waterways Experiment Station. The units have demonstrated significantly superior stability and improved strength over existing armor shapes. The unit has also been proportioned to interlock with an existing armor unit for repair. Model tests have shown that the repaired sections are more stable than the original sections. The units are significantly more economical than all existing randomly-placed armor units currently available.

Each interested party is requested to submit an application for a license containing the information described in 37 CFR 404.8 for any one or combination of countries of interest within 120 days of publications of this notice in the **Federal Register.** The applications for licensing the armor unit technology will be evaluated using the following criteria:

1. Demonstrated ability to manufacture and/or market the armor unit technology.
2. Presentation of applicants plan to manufacture and/or market the armor unit technology.
3. Technical capability including expertise in the areas of engineering of coastal structures and/or marine heavy construction.
4. Time required to bring item to market.
5. License fee (annual fee that license is willing to pay for x number of years—royalty payments will be negotiated separately).
6. Country of origin, with preference given to U.S.-based company.
7. Small Business advantage for U.S. license.

Gregory D. Showalter,

Army Federal Register Liaison Officer.

[FR Doc. 95–11643 Filed 5–10–95; 8:45 am]

BILLING CODE 3710–08–M

DEPARTMENT OF ENERGY

Change in Location of Southport, North Carolina, Public Hearing for the Draft Environmental Impact Statement on a Proposed Nuclear Weapons Nonproliferation Policy Concerning Foreign Research Reactor Spent Nuclear Fuel

AGENCY: Department of Energy.

ACTION: Change in Location of Southport, North Carolina, Public Hearing.

SUMMARY: The Department of Energy public hearing in Southport, North Carolina, on May 23, 1995, will be held in the Southport City Hall, 201 East Moore Street, Southport, North Carolina, 28461, (910) 457–7900. The public hearing will be held from 6:00